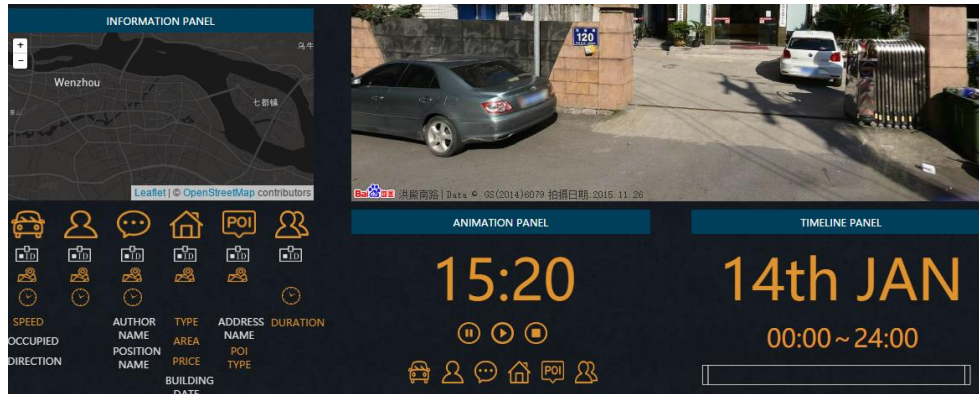
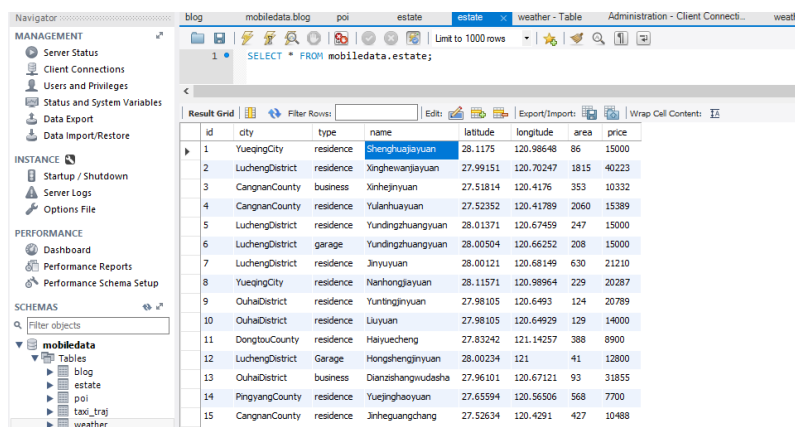


This week:

- Debug VAUD project on big screen. Include information panel and query function. (now, the condition processing are migrated into JS)



- Completed the migration of the database



- Review paper : A Web-UI based Visual Causal Exploration Framework
Case Study: A Torrential Rain and a Flash Flood

This paper present an interactive visual causal exploration framework for enabling the interactive exploration of the causality. It the interactive exploration of the causality from the delayed time between the probable cause-effect relationships. The end users will be able to identify the spatio-temporal regions where there is a strong strength of cause-effect relationships. However, there are some points suggested to be revised:

First, in related work, author simply lists a lot of work on

the visualization of the correlations between the different variables, which is hard to follow, author can classify these references with a subtitle so that the readers can easily figure out the idea which the author generated.

In section 3, author calculates correlation coefficient using two equations. My question is that are these equations have any references to support. Actually, correlation coefficient calculation is not new, and can be introduced in a paragraph with its related work in section 2.

In section 4, author focused on a remote visualization approach, which uses the simulation data in an offline mode. However, author spends few words on describing them. Figure 5 have too much information to understand, author should explain more to help reader figure out what framework this paper present and how to achieve it.

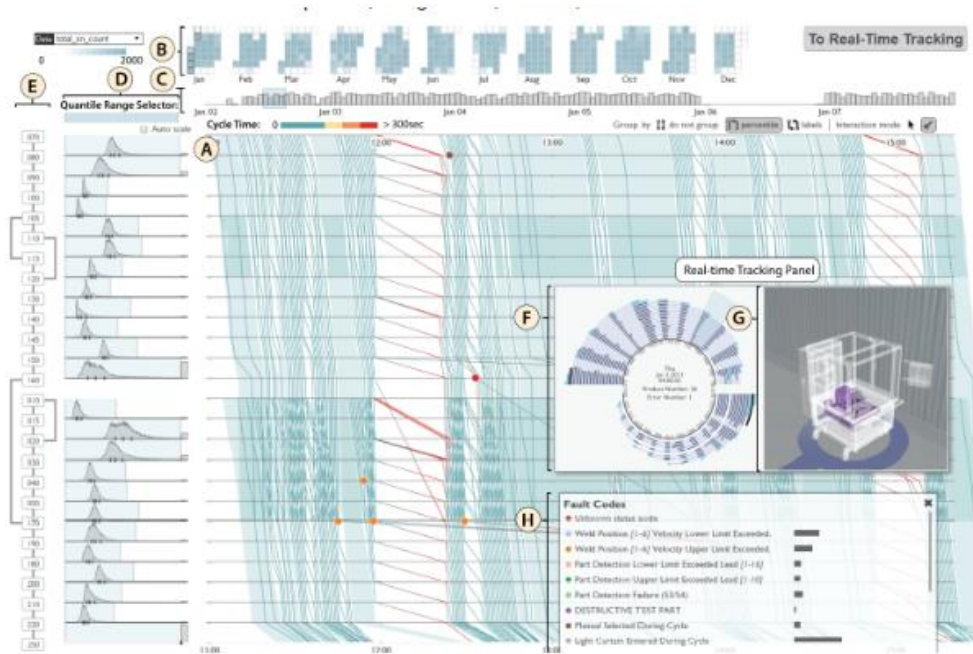
In this work, each of the viewing windows can treat independent mouse and keyboard interactions. That is helpful to enable collaborative interaction, but author should talk more about its implement details. Such as how to address the conflict.

In experimental results part, author can simply introduce the interface of the system. Visual coding in figure 1 should also be described to help reader better understand the case study. In case study part, the missing part is the evidence to support the find of correlation between the variables. For example, how does author find the correlation? What is the mean of the color represent in figure 1(left)? And according to the results figure 8 and 9, what evidence supports the author's conclusion?

In addition, table 3 is not mentioned in the paper.

计等方法的集成界面展示数据，完成了一种对于高位数据的可视化。

3. Visual Diagnostics of Assembly Line Performance in Smart Factories



本文提出了一种基于 Marey 图的可视化方法展现了产品在生产线上不同站点的分布情况。用户可以通过系统查看不同日期，不同时间，的生产线上的产品的不同属性特征，左边的条形统计图表示产品在这个站点的时间分布图。系统可以对某一时刻的数据进行详细的展示，并采用了如 F 和 3D 模型的可视化方法详细的展示某一时刻的详细信息。并采用了异常检测机制，展示流水线上检测到的异常数据。